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Urban District of Kenilworth.

ANNUAL REPORT

OF THE

HEALTH OF THE DISTRICT

FOR THE YEAR 1944,

BY

H. GIBBONS WARD, M.D., D.P.H.,

MEDICAL OFFICER OF HEALTH

OF THE

Warwickshire Combined Districts.

Leamington Spa:

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1945.

1, Milverton Hill,
Leamington Spa,
October, 1945.

To the Kenilworth Urban District Council.

Mr. Chairman and Gentlemen,

Herewith the Report for 1944, and it is of special personal interest to me as it marks the completion of 25 years in your service.

As instructed by the Ministry of Health, the Report is only a short statement of fact. For the first time for several years, statistics can be printed in connection with population, etc. ; it is to be hoped that in the future it will be possible to give further details when printing, paper, etc., are more available.

With many thanks for much kindness on the part of the members of the Council and my colleagues.

I am, Gentlemen,

Your obedient Servant,

H. GIBBONS WARD,
Medical Officer of Health.

Kenilworth Urban District.

A. Extracts from Vital Statistics of the Year.

Population (estimated) Mid-year, 1944	9,730
Birth Rate	20.5
Still Births—Rate per 1,000 total births	15
Death Rate	10.4
Deaths from Diseases and Accidents of Pregnancy and Child-birth — From Sepsis ...	—
Deaths from Diseases and Accidents of Pregnancy and Child-birth — ,, other causes	—
Death Rate of Infants under 1 year of age :—	
All Infants per 1,000 live births	45
Legitimate Infants per 1,000 legitimate live births	48
Illegitimate Infants per 1,000 illegitimate live births	—
Death from Measles (all ages)	—
,, ,, Whooping Cough (all ages)	—
,, ,, Diarrhoea (under 2 years of age) ...	—

B. GENERAL PROVISION OF HEALTH SERVICES IN THE DISTRICT.

1. *Public Health Officers.*—Remained the same as in 1943.

3. *Laboratory Facilities.*—Bacteriological examinations by Birmingham University :—

	Positive.	Negative.	Total.
Diphtheria	1	39	40
Enteric Fever...	—	—	—
Tuberculosis ...	3	16	19
			59

C. SANITARY CIRCUMSTANCES OF THE DISTRICT.

1. (i) *Water Supply.*—The town is supplied with water pumped entirely by an electrically operated plant, and the water is treated by a chlorinator supplied by Messrs. Turn-Over Filter Co., Ltd., of Belfast. During the year the plant worked satisfactorily, with the exception of a three-day period in September, when the Harland Pump developed an electrical fault. Owing to the very narrow margin between the top water level of the Knowle Hill Reservoir and the higher parts of the town, it was necessary during this period to take a supply through the emergency arrangements existing between Coventry and Kenilworth at Burton Green.

The number of new services laid was 12 ; four have been renewed and eight repaired.

A 3in. watermain extension was made of some 160 yards at Drakes Hill.

The customary emptying and cleansing of reservoirs has been carried out during the year.

94,574,305 gallons of water were recorded as pumped, giving an average of 258,400 gallons per day, as against 225,122 gallons per day in 1943.

The supply generally has been satisfactory, both in quality and in quantity. Three specimens of raw water were taken for bacteriological examination, and the results showed that the water still maintains its high standard of purity. One specimen was taken for chemical analysis, the result of which was as follows :—

"Free Chlorine	0.03.
Chloride	2.2.
Dissolved CO_2	0.6.
Alkalinity as CO_3	13.5.
PH	7.5.
Saturation Index	1.6.
After 72 hours contact, Lead	No action.
,, ,, ,, Copper	.14 parts per 100,000.
,, ,, ,, Iron	1.8 ,, ,,

" From the above results we are of the opinion that this water is not likely to have more than the usual rusting action on Iron."

No special action was taken for treatment of contaminated water.

By far the larger number of houses in the district are fitted with bib taps inside the house, and it is estimated that of the houses, some 6½ per cent. are supplied by means of stand-pipes, and of the population, about 10 per cent. are affected.

Water mains serve all but the very isolated parts of the district.

(ii) *Drainage and Sewerage.*—No extensions have been made to the Sewerage System. New arms were fixed to two of the sprinklers. The Sewage Disposal Works generally has worked satisfactorily in view of the large flow it has had to deal with, but it is apparent that modifications will very soon be required, to enable the works to produce a continuously satisfactory effluent.

During the year one sewer connection was made, and 17 sewer stoppages were removed.

2. *Rivers and Streams.*—The brook in the park and in Henry Street was cleaned out, the portion in Henry Street could be much improved by culverting.

3. *Public Cleansing.*—House refuse collection is carried out on a fortnightly basis. All property is provided with moveable, covered, metal dustbins, and a fortnightly system is also in operation for the collection of paper, bones and rags. The following materials were sold during the year :—

55 tons 5¼ cwts.—Paper.
3 tons 2 cwts.—Bones.
2 tons 11½ cwts.—Rags.
8 tons 0¼ cwts.—" Cullet."

D. HOUSING.

The usual Table has been completed and is being kept for reference.

E. INSPECTION AND SUPERVISION OF FOOD.

(*a*) *Milk Supply.*—The number of registrations under the Dairies, Cowsheds and Milkshops Order is 28; of these, 10 were retailers only, 5 producer-retailers, and 13 were producers only. Premises have been visited at intervals, and 3 informal notices requiring cleansing and minor alterations have been served and complied with. 10 milk samples were taken, and all proved to be satisfactory.

Three persons are licensed for the sale of Pasteurised Milk, and one for the Sale of Tuberculin Tested Milk.

(*b*) *Meat.*—Visits are made by the Inspector as required.

(*c*) *Other Trades.*—Bakehouses have been inspected. Two notices were found to be necessary.

F. PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASE.

Incidence of Commoner Infectious Diseases since 1936.

	Diphtheria.	Scarlet Fever.	Enteric Fever.	Pneumonia.	Encephalitis Lethargica.	Puerperal Pyrexia.
1937 ...	10	16	—	17	—	—
1938 ...	5	31	—	7	—	—
1939 ...	8	61	—	7	—	2
1940 ...	10	14	4	18	—	1
1941 ...	9	16	2	6	—	1
1942 ...	3	11	—	1	—	1
1943 ...	—	15	—	16	—	—
1944 ...	2	19	—	3	—	—

Reference to Table III. will give the age distribution of the cases notified.

Diphtheria Immunisation.—Immunisation continued during the year, and up to December 31st, 1,069 school children had been treated and 363 children either privately or at Infant Welfare Centres, giving a total of 1,432.

School Closures.—Nil.

Prevalence of, and Control over, Tuberculosis.

Age—Periods	New Cases. Pulmonary. M.	New Cases. Pulmonary. F.	New Cases. Non-Pulmonary. M.	New Cases. Non-Pulmonary. F.	Deaths. Pulmonary. M.	Deaths. Pulmonary. F.	Deaths. Non-Pulmonary. M.	Deaths. Non-Pulmonary. F.
0	—	—	—	—	—	—	—	—
1	—	—	—	—	—	—	—	—
5	—	1	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—
25	1	1	—	—	1	1	—	—
35	1	2	—	—	1	1	—	—
45	—	1	—	—	—	—	—	—
55	—	—	—	—	—	—	—	—
65 and upwards	—	—	—	—	—	—	—	—
Totals	2	5	—	—	2	2	—	—

7 new cases of tuberculosis were notified during the year, 7 being of pulmonary tuberculosis and none of other forms.

4 deaths were due to pulmonary and none due to non-pulmonary tuberculosis.

Treatment.—5 cases were admitted to the Sanatorium for treatment during the year, 3 discharged.

REPORT OF SANITARY INSPECTOR.

A copy of this Report has been received and is being kept for reference.

TABLE I.

KENILWORTH URBAN DISTRICT.

SUMMARY OF SANITARY WORK DONE IN THE SANITARY INSPECTOR'S DEPARTMENT DURING THE YEAR 1944.

	Inspections and Observations made	Notices served. Statutory.	Notices served. Informal	Nuisances Abated after Notices.
Dwelling Houses and Schools ...	234	—	32	24
Lodging Houses	—	—	—	—
Dairies and Milk Shops	15	—	3	3
Cow Sheds	1	—	1	1
Bakehouses	2	—	2	2
Slaughter Houses	—	—	—	—
Canal Boats...	—	—	—	—
Ashpits and Privies	—	—	—	—
Deposits of Refuse and Manure ...	3	—	3	3
Water-closets	98	—	35	29
House Drainage	46	—	2	2
Other Nuisances	102	—	13	13
Water Supply	430	—	72	72
TOTALS	931	—	163	149

	No.
Seizures and Surrenders of Unwholesome Food	23
Samples of Food taken for analysis (Milk)	10
Samples of Food found adulterated	—
Samples of Water taken for Analysis	4
Samples of Water condemned as unfit for use	—

PRECAUTIONS AGAINST INFECTIOUS DISEASE.

Lots of Infected Bedding, Disinfected or Destroyed ...	30
Houses Disinfected after cases of Infectious Disease	22
Schools ditto ditto ditto	—
Prosecutions for Exposure of Infected Persons or Things ...	—
Convictions ditto ditto ditto ...	—
Prosecutions for not notifying Existence of Infectious Disease	—
Convictions ditto ditto ditto	—

G. A. J. EDMUNDSON,
Surveyor, Water Engineer and Sanitary Inspector.

TABLE II.

KENILWORTH URBAN DISTRICT.

VITAL STATISTICS OF DISTRICT DURING 1944 AND PREVIOUS YEARS.

Year.	Population estimated to Middle of each Year.	Births. Nett.		Nett Deaths belonging to the District. Under 1 Year of age.		Nett Deaths belonging to the District. At all Ages.	
		Number.	Rate.	Number.	Rate per 1,000 Nett Births.	Number.	Rate.
1	2	3	4	5	6	7	8
1938	8,750	127	14.5	7	55	101	11.6
1939	9,020	131	14.7	4	30	90	10.0
1940	9,710	171	17.6	9	51	139	14.3
1941	10,840	181	16.7	8	44	140	12.9
1942	10,280	170	16.6	6	35	101	9.8
1943	10,010	168	16.8	3	18	92	9.2
1944	9,730	199	20.5	9	45	101	10.4

VITAL STATISTICS IN ENGLAND AND WALES, 1944.

ENGLAND AND WALES.

Birth-rate, Death-rate, and Infantile Mortality during the Year 1944. (*Provisional Figures*).

Annual Rate per 1,000 Population.

	Live Births	Still Births.	Deaths.	Deaths under one year to 1,000 Births.
England and Wales	17.6	0.50	11.6	46
126 Great Towns, including London	20.3	0.64	13.7	52
148 Smaller Towns	20.9	0.61	12.4	44
London	15.0	0.42	15.7	61

Table III.

KENILWORTH URBAN DISTRICT.

Cases of Infectious Disease notified during the Year 1944.

Notifiable Disease.	Number of Cases notified.								Total cases removed to Hospital	Total Deaths.
	At all Ages.	At Ages—Years.								
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.		
Small-pox	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plague	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diphtheria (including Membranous Croup)	2	.....	1	.....	.....	1	.....	.....	2	.....
Erysipelas	2	.....	.....	.....	1	.....	1	.....	.....	.....
Scarlet Fever	19	.....	5	7	6	1	.....	.....	15	.....
Typhus Fever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enteric Fever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pneumonia	3	.....	.....	.....	.....	.....	3	.....	.....	5
Malaria	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dysentery	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Puerperal Pyrexia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cerebro-spinal Meningitis ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Poliomyelitis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Encephalitis Lethargica ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ophthalmia Neonatorum ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Polio-Encephalitis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pulmonary Tuberculosis ...	7	.....	.....	1	.....	5	1	.....	.....	3
Other forms of Tuberculosis ...	.....	.....	.....	.....	.....	.....	.....	...	.....	.....
Totals	33	.....	6	8	7	7	5	.....	17	8

Table IV.

KENILWORTH URBAN DISTRICT.

Causes of Death during the Year 1944.

CAUSES OF DEATH.	MALES.	FEMALES.
All Causes	54	47
1 Typhoid and Paratyphoid Fevers ...	—	—
2 Cerebro Spinal Fever	—	—
3 Scarlet Fever	—	—
4 Whooping Cough	—	—
5 Diphtheria	—	—
6 Tuberculosis of Respiratory System ...	2	1
7 Other Forms of Tuberculosis	—	—
8 Syphilitic Diseases	—	—
9 Influenza	1	1
10 Measles	—	—
11 Ac. Polio-Myel and Polio-Enceph. ...	—	—
12 Ac. Infant Enceph.	—	—
13 Cancer of B. Cav. and Oesoph (M.) Uterus (F.)	1	—
14 Cancer of Stomach and Duod.	2	1
15 Cancer of Breast	—	1
16 Cancer, other Sites	4	3
17 Diabetes	—	1
18 Intra Cran. Vasc. Lesions...	5	6
19 Heart Disease	15	15
20 Other Dis. Circ. Sys.	—	2
21 Bronchitis	2	2
22 Pneumonia	3	2
23 Other Resp. Diseases	1	2
24 Ulcer of Stomach and Duod.	—	—
25 Diarrhoea (under 2 years)...	—	—
26 Appendicitis	—	—
27 Other Digestive Diseases	1	1
28 Nephritis	3	—
29 Puer. and Post Abort Sepsis	—	—
30 Other Maternal Causes	—	—
31 Premature Birth	4	—
32 Con. Mal., Birth Inj., etc....	3	1
33 Suicide	—	—
34 Road Traffic Accidents	1	—
35 Other Violent Causes	3	2
36 All Other Causes	3	6